



Docket No.: 416272061200
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Vicki L. CHANDLER, et al.

Application No.: 09/972,805

Group Art Unit: 1638

Filed: October 5, 2001

Examiner: Not Yet Assigned

For: GENETIC FUNCTIONS REQUIRED FOR
GENE SILENCING IN MAIZE

POWER OF ATTORNEY

MAIL STOP: Art Unit 1638
Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Dear Sir:

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,

**THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY
OF ARIZONA, and**

**THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD
OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON,**

assignees of the entire right title and interest in the above-identified application by assignments dated October 3, 2001, hereby appoint the members of the firm of Morrison & Foerster LLP, a firm composed of:

Morrison, Armitage, & Foerster, LLP, 1000 California Street, Suite 2000, San Francisco, CA 94109

10/11/2001

Laurie A. Axford	35,053	Carol Gruppi	37,341	Kate H. Murashige	29,959
Erwin J. Basinski	34,773	Alicia J. Hager	44,140	Martin Noonan	44,264
Shantanu Basu	43,318	Johney U. Han	45,565	Catherine M. Polizzi	40,130
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Hector G. Gallegos	40,614				

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The assignee certifies that it has reviewed the assignment and to the best of the assignees' knowledge and belief, title is in the assignees.

Please direct all correspondence regarding this application to the following:

MORRISON & FOERSTER LLP
 Attn: Michael R. Ward
 425 Market Street
 San Francisco, California 94105
 Telephone: (415) 268-7000
 Fax: (415) 268-7522

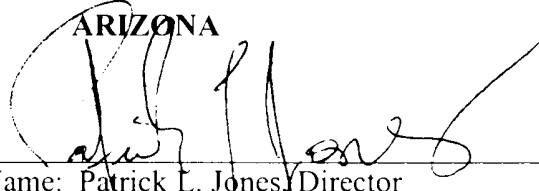
For: **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**

Dated: _____

Name: Carol A. Mimura, Acting Director
Office of Technology Licensing
2150 Shattuck Avenue, Suite 510
Berkeley, CA 94720-1620

For: **THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA**

Dated: June 5, 2003



Name: Patrick L. Jones, Director
Office of Technology Transfer
1717 E. Speedway Blvd., Suite 3205
Tucson, ARIZONA 85721-0151

For: **THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON**

Dated: _____

Name: Benjamin E. Rawlins, Director of Legal
Services
1238 University of Oregon
Eugene, OR 97403



Docket No.: 416272061200
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By: _____, Attorney-in-Fact of the above-named parties

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Erwin J. Basinski	34,773	Alicia J. Hager	44,140	Martin Noonan	44,264
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For: **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**

Carol S.

Dated: *4/14/03*

Name: Carol S. Mimura, Acting Director
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2150 Shattuck Avenue, Suite 510
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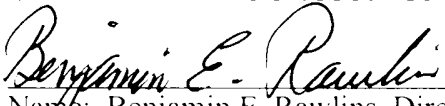
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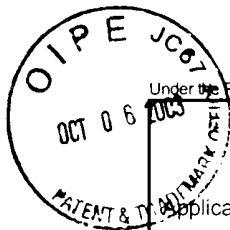
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Dated: 14 July 03



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STATEMENT UNDER 37 CFR 3.73(b)

Vicki L. CHANDLER, Jay B. HOLLICK, Jane E. DORWEILER, Damon LISCH,
Ken KUBO and Charles CAREY

Applicants:

Application No./Patent No.: 09/972,805 Filed/Issue Date: October 5, 2001

Entitled: GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE

THE REGENTS OF THE UNIVERSITY
OF CALIFORNIA

, a University

THE ARIZONA BOARD OF REGENTS
ON BEHALF OF THE UNIVERSITY OF
ARIZONA

, a University

THE STATE OF OREGON ACTING BY
AND THROUGH THE STATE BOARD OF
HIGHER EDUCATION ON BEHALF OF
THE UNIVERSITY OF OREGON

, a University

(Name of Assignee(s))

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignees of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
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in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The
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OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE:] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

TODAY'S DATE

Michael R. Ward (Reg. No. 30,101)

(415) 268-6237
Telephone Number

Michael R. Ward
Signature

Title Attorney for Assignees

sf-1576200



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MORRISON & FOERSTER LLP
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Washington, DC 20231
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RECORDATION DATE: 10/05/2001

REEL/FRAME: 012260/0953
NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHANDLER, VICKI L.

DOC DATE: 10/03/2001

ASSIGNOR:

HOLICK, JAY B.

DOC DATE: 10/04/2001

ASSIGNOR:

DOEWEILER, JANE E.

DOC DATE: 10/02/2001

ASSIGNOR:

LISCH, DAMON

DOC DATE: 10/02/2001

ASSIGNOR:

KUBO, KEN

DOC DATE: 10/02/2001

ASSIGNOR:

ASSIGNEE:

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OF THE UNIVERSITY OF ARIZONA,
THE
1717 E. SPEEDWAY BLVD., #3205
TUCSON, ARIZONA 85721-0151

ASSIGNEE:

STATE OF OREGON ACTING BY AND
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EUGENE, OREGON 97403

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1111 FRANKLIN STREET, 12TH FLOOR
OAKLAND, CALIFORNIA 94607-5200

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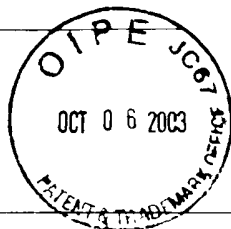
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SERIAL NUMBER: 09972805
PATENT NUMBER:

FILING DATE: 10/05/2001
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



10-19-2001



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U.S. DEPARTMENT OF COMMERCE

COVER SHEET

Patent and Trademark Office
Docket No. 416272061200
Page 1 of 3

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

VICKI L. CHANDLER

☒ Individual(s)☐ Association☐ General Partnership☐ Limited Partnership☐ Corporation-State☐ OtherAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:Execution Date: 10/3/01; 10/4/01; 10/2/01; 10/2/01; 10/2/01; 10/3/01,
respectively

2. Name and address of receiving party(ies):

Name: THE ARIZONA BOARD OF REGENTS ON BEHALF
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Internal Address: 1717 E. Speedway Blvd., #3205

Street Address: 1717 E. Speedway Blvd., #3205

City: Tucson State: ARIZONA ZIP: 85721-0151

Name: THE STATE OF OREGON ACTING BY AND
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OF OREGON

Internal Address: 1238 University of Oregon

Street Address: 1238 University of Oregon

City: Eugene State: OREGON ZIP: 97403

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 10/3/01; 10/4/01; 10/2/01; 10/2/01;
10/2/01; 10/3/01, respectively

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No5. Name and address of party to whom correspondence concerning
document should be mailed:Michael R. Ward
Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105-2482

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account,
referencing Attorney Docket 416272061200

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952

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Registration No.: (38,651)

Signature

Date

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Box Assignments

Crystal Gateway 4, Room 338

Washington, D.C. 20231

<p>1. Name of conveying party(ies): JAY B. HOLLICK</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON Internal Address: 1238 University of Oregon Street Address: 1238 University of Oregon City: Eugene State: OREGON ZIP: 97403 and</p> <p>Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA Internal Address: 1111 Franklin Street, 12th Floor Street Address: 1111 Franklin Street, 12th Floor City: Oakland State: CA ZIP: 94607-5200</p>
<p>1. Name of conveying party(ies): JANE E. DORWEILER</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p>	<p>Name: THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON Internal Address: 1238 University of Oregon Street Address: 1238 University of Oregon City: Eugene State: OREGON ZIP: 97403 and</p> <p>Name: THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA Internal Address: 1717 E. Speedway Blvd., #3205 Street Address: 1717 E. Speedway Blvd., #3205 City: Tucson State: ARIZONA ZIP: 85721-0151</p>
<p>1. Name of conveying party(ies): DAMON LISCH</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p>	<p>Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA Internal Address: 1111 Franklin Street, 12th Floor Street Address: 1111 Franklin Street, 12th Floor City: Oakland State: CA ZIP: 94607-5200 and</p> <p>Name: THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA Internal Address: 1717 E. Speedway Blvd., #3205 Street Address: 1717 E. Speedway Blvd., #3205 City: Tucson State: ARIZONA ZIP: 85721-0151</p>
<p>1. Name of conveying party(ies):</p> <p><input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p>	<p>Name: THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON Internal Address: 1238 University of Oregon Street Address: 1238 University of Oregon City: Eugene State: OREGON ZIP: 97403</p>

<p>1. Name of conveying party(ies): CHARLES CAREY</p> <p><input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other</p>	<p>Name: THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA</p> <p>Internal Address: 1717 E. Speedway Blvd., #3205 Street Address: 1717 E. Speedway Blvd., #3205 City: Tucson State: ARIZONA ZIP: 85721-0151</p>
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. VICKI L. CHANDLER

hereby sells, assigns and transfers to ASSIGNEES,

THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, 1717 E. Speedway Blvd., #3205, Tucson, Arizona 85721-0151, and

THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON, having a place of business at 1238 University of Oregon, Eugene, Oregon 97403, and the successors, assigns and legal representatives of the ASSIGNEES all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled

(b) X U.S. patent application filed herewith and listing VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY as inventors, entitled **GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE**

(c) _____ U.S. patent application filed herewith and listing the above named persons as inventors entitled

(d) _____ U.S. application serial no. _____, filed on _____ entitled

(e) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111 (a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California; The State of Oregon acting by and through the State Board of Higher Education on behalf of The University of Oregon and the Arizona Board of Regents on behalf of the University of Arizona.

executed this

3rd day of October, 2001

Signature of Inventor(s)

Vicki L. Chandler

VICKI L. CHANDLER

ASSIGNMENT

U.C. Case No. B00-081-2

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. JAY B. HOLLICK

hereby sells, assigns and transfers to ASSIGNEES,

THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON, having a place of business at 1238 University of Oregon, Eugene, Oregon 97403, and

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200,

the successors, assigns and legal representatives of the ASSIGNEES all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in UCB Case No. B00-081-2 entitled: GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN ZEA MAYS, or which is found in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled

(b) X U.S. patent application filed herewith and listing VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY as inventors, entitled GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE

(c) _____ U.S. patent application filed herewith and listing the above named persons as inventors entitled

(d) _____ U.S. application serial no. _____, filed on _____ entitled

(e) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111 (a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or

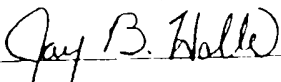
Docket No.: 416272061200

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California; The State of Oregon acting by and through the State Board of Higher Education on behalf of The University of Oregon and the Arizona Board of Regents on behalf of the University of Arizona.

executed this

4th day of October, 2001

Signature of Inventor(s)



JAY B. HOLLICK

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S):

1. JANE E. DORWEILER

hereby sells, assigns and transfers to ASSIGNEES:

THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON, having a place of business at 1238 University of Oregon, Eugene, Oregon 97403, and

THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, 1717 E. Speedway Blvd., #3205, Tucson, Arizona 85721-0151,

the successors, assigns and legal representatives of the ASSIGNEES all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled

(b) X U.S. patent application filed herewith and listing VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY as inventors, entitled **GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE**

(c) _____ U.S. patent application filed herewith and listing the above named persons as inventors entitled

(d) _____ U.S. application serial no. _____, filed on _____, entitled

(e) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111 (a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

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AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEES, The Regents of the University of California, The State of Oregon acting by and through the State Board of Higher Education on behalf of The University of Oregon and the Arizona Board of Regents on behalf of the University of Arizona.

executed this

2nd day of October, 2001

Signature of Inventor(s)

A handwritten signature in cursive script, appearing to read "Jane E. Dorweiler".

JANE E. DORWEILER

ASSIGNMENT

U.C. Case No. B00-081-2

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S).

I. DAMON LISCH

hereby sells, assigns and transfers to ASSIGNEES,

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200, and

THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, 1717 E. Speedway Blvd., #3205, Tucson, Arizona 85721-0151,

the successors, assigns and legal representatives of the ASSIGNEES all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in UCB Case No. B00-081-2 entitled: GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN ZEA MAYS,

or which is found in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled

(b) X U.S. patent application filed herewith and listing VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY as inventors, entitled GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE

(c) _____ U.S. patent application filed herewith and listing the above named persons as inventors entitled

(d) _____ U.S. application serial no. _____, filed on _____ entitled

(e) _____ U.S. Patent No.: _____, issued _____

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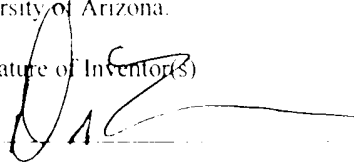
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California; The State of Oregon acting by and through the State Board of Higher Education on behalf of The University of Oregon and the Arizona Board of Regents on behalf of the University of Arizona.

executed this

2nd day of October, 2001

Signature of Inventor(s)

A handwritten signature in black ink, appearing to read 'Damon Lisch', written over a horizontal line.

DAMON LISCH

Docket No.: 416272061200

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S).

1. KEN KUBO

hereby sells, assigns and transfers to ASSIGNEE, THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOARD OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF OREGON, having a place of business at 1238 University of Oregon, Eugene, Oregon 97403, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled

(b) X U.S. patent application filed herewith and listing VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY as inventors, entitled GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE

(c) _____ U.S. application serial no. _____, filed on _____ entitled

(d) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111 (a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

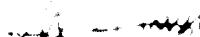
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California, The State of Oregon acting by and through the State Board of Higher Education on behalf of The University of Oregon and the Arizona Board of Regents on behalf of the University of Arizona

executed this

Signature of Inventor(s)



KEN KUBO

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S)

I. CHARLES CAREY

hereby sells, assigns and transfers to ASSIGNEE, **THE ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, 1717 E. Speedway Blvd., #3205, Tucson, Arizona 85721-0151**, and the successors, assigns and legal representatives of the ASSIGNEES all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in

(a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors entitled _____

(b) X U.S. patent application filed herewith and listing **VICKI L. CHANDLER, JAY B. HOLLICK, JANE E. DORWEILER, DAMON LISCH, KEN KUBO and CHARLES CAREY** as inventors, entitled **GENETIC FUNCTIONS REQUIRED FOR GENE SILENCING IN MAIZE**

(c) _____ U.S. patent application filed herewith and listing the above named persons as inventors entitled _____

(d) _____ U.S. application serial no. _____, filed on _____, entitled _____

(e) _____ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111 (a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

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executed this

3 day of October, 2001

Signature of Inventor(s)


CHARLES CAREY